



WINDOW SAMPLING

INTRODUCTION

Window Sampling is a site investigation tool that utilises portable equipment to drill small diameter boreholes in order to take soil samples and install monitoring wells.



The sample taken can be easily logged by reviewing through the side window. Simple field tests can be carried out and representative samples taken for future analysis.

The site crew will make initial observations of the samples and record them. This will be followed by logging of samples in the laboratory



CAPABILITY

The equipment is portable. Essentially it is a percussion hammer that is used to drive hollow steel tubes into the ground to take representative samples. The hammer can be either hand held, wheel or track mounted.

The specialist sampler tubes are made of steel with side windows cut into them and are in either 1m or 2m lengths. Diameters range from 80mm down to 40mm.

The window sampler can be used to obtain continuous soil samples down to 5m below ground level or deeper, if conditions are suitable. Undisturbed U38 samples can be taken where practicable. If it is required that the sample should be isolated, then an internal liner system can be used for this purpose.

The tubes are removed from the ground either by hydraulic or manual jack.

SITE SET UP

- Two man crew + van
- Portable, wheel or track mounted percussion hammer
- Window sampler tubes, liners and general equipment

PROS

- Ideal for restricted access sites
- Suitable for contamination sampling
- No residual spoil
- Useful initial intrusive investigative tool
- Can be used to install monitoring wells

